

one eighth inch = one foot
 one quarter inch = one foot
 one half inch = one foot
 three quarters inch = one foot
 one inch = one foot
 one and one half inches = one foot
 two inches = one foot
 three inches = one foot
 three and one half inches = one foot
 four inches = one foot
 four and one half inches = one foot
 five inches = one foot
 five and one half inches = one foot
 six inches = one foot
 six and one half inches = one foot
 seven inches = one foot
 seven and one half inches = one foot
 eight inches = one foot
 eight and one half inches = one foot
 nine inches = one foot
 nine and one half inches = one foot
 ten inches = one foot
 ten and one half inches = one foot
 eleven inches = one foot
 eleven and one half inches = one foot
 twelve inches = one foot

Design No. U905

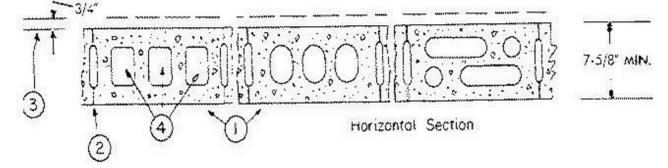
May 19, 2014

Bearing Wall Rating - 2 HR.

Nonbearing Wall Rating - 2 HR

Load Restricted for Canadian Applications - See Guide BXUV7

When used in Canada it is required that all materials included within the UL design are also cUL certified.

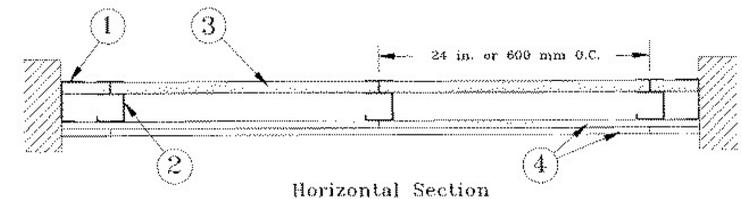


- Concrete Blocks*** - Various designs. Classification D-2 (2 hr).
See **Concrete Blocks** category for list of eligible manufacturers.
- Mortar** - Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
- Portland Cement Stucco or Gypsum Plaster** - Add 1/2 hr to classification if used. Where combustible members are framed in wall, plaster or stucco must be applied on the face opposite framing to achieve a max. Classification of 1-1/2 hr. Attached to concrete blocks (Item 1).
- Loose Masonry Fill** - If all core spaces are filled with loose dry expanded slag, expanded clay or shale (Rotary Kiln Process), water repellent vermiculite masonry fill insulation, or silicone treated perlite loose fill insulation add 2 hr to classification.
- Foamed Plastic*** - (Optional-Not Shown) - 1-1/2 in. thick max, 4 ft wide sheathing attached to concrete blocks (Item 1).

ATLAS ROOFING CORP - "EnergyShield Pro Wall Insulation" and "EnergyShield Pro 2 Wall Insulation."
HUNTER PANELS - Type Xci-Class A, Xci 286

THE DOW CHEMICAL CO - Type Thermax Sheathing, Thermax Light Duty Insulation, Thermax Heavy Duty Insulation, Thermax Metal Building Board, Thermax White Finish Insulation, Thermax ci Exterior Insulation, Thermax IH Insulation, Thermax Plus Liner Panel and Thermax Heavy Duty Plus (HDP)

**U415
NON-BEARING WALL RATING - 2HR**
(WALL TYPE 'AK' - REF SHEET AS-001)



- Floor, Side and Ceiling Runners:** "J" - shaped runner, min 2-1/2 in. deep, with unequal legs of 1 in. and 2 in., fabricated from min 24 MSG galv steel. Runners positioned with short leg toward finished side of wall. Runners attached to structural supports with steel fasteners located not greater than 2 in. from ends and not greater than 24 in. O.C.
- Steel Studs:** "C-H" - shaped studs, min 2-1/2 in. deep, fabricated from min 25 MSG galv steel. Cut to lengths 3/8 to 1/2 in. less than floor-to-ceiling height and spaced 24 in. O.C.
- Gypsum Board:** Gypsum liner panels, nom 1 in. thick, 24 in. wide. Panels cut 1 in. less in length than floor to ceiling height. Vertical edges inserted in "H" portion of "C-H" studs. Free edge of end panels attached to long leg of vertical "J" - runners with 1-5/8 in. long Type S steel screws spaced not greater than 12 in. O.C. When wall height exceeds liner panel length, liner panel may be butted to extend to the full height of the wall. Horizontal joints need not be backed by steel framing.
- Gypsum panels:** With beveled, square or tapered edges, nom 5/8 in. thick, Type X, 48 in. wide, applied vertically or horizontally in two layers. Inner or base layer attached to studs with 1 in. long Type S steel screws spaced 24 in. O.C. when installed vertically or 16 in. O.C. when installed horizontally. Outer or face layer attached to studs with 1-5/8 in. long Type S steel screws spaced 12 in. O.C. when installed vertically and staggered 12 in. from base layer screws or 8 in. O.C. when installed horizontally and staggered 8 in. from base layer screws. Horizontal joints between inner and outer layers staggered a min of 12 in. Horizontal joints need not be backed by steel framing. Vertical joints centered over studs and staggered 24 in.
- Joint Tape and Compound (Not Shown):** Joints on outer layers of gypsum boards covered with paper tape and joint compound. Exposed screw heads covered with joint compound.
- Batts and Blankets:** Glass fiber batts completely filling stud cavity. Any glass fiber batt material bearing the UL Classification Marking as to Fire Resistance.

100% CONSTRUCTION DOCUMENTS
FULLY SPRINKLERED

Revision #	Description	Date

SUBMISSIONS	
100% CONSTRUCTION DOCUMENTS	8-15-2014
95% CONSTRUCTION DOCUMENTS	5-22-2014
65% CONSTRUCTION DOCUMENTS	3-28-2014
SCHEMATIC DESIGN	1-24-2013

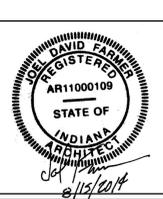
VA VA NORTHERN INDIANA HEALTH CARE SYSTEM, FORT WAYNE
 2121 Lake Ave. Fort Wayne, IN 46805

ARCHITECT/ENGINEERS:

AMERICAN STRUCTUREPOINT INC.
 7280 SHADELAND STATION INDIANAPOLIS, IN 46256-3957
 TEL 317.547.5580 FAX 317.543.0270 www.structurepoint.com

Ross & Baruzzini
 8250 Haverstick Road Suite 285 Indianapolis, IN 46240 317.638.8383

CONSULTANTS:



Drawing Title
FIRE RATINGS

Approved: Project Director

Project Title SPS BASEMENT ADDITION VA PROJECT # 610A4-12-400		Project Number 2010.00629.0005
Location 2121 Lake Ave. Fort Wayne, IN 46805		Building Number 01
Date 08/15/2014	Checked JDF/ FMF	Drawn APN
Drawing Number LS-002		

Office of Construction and Facilities Management
VA Department of Veterans Affairs